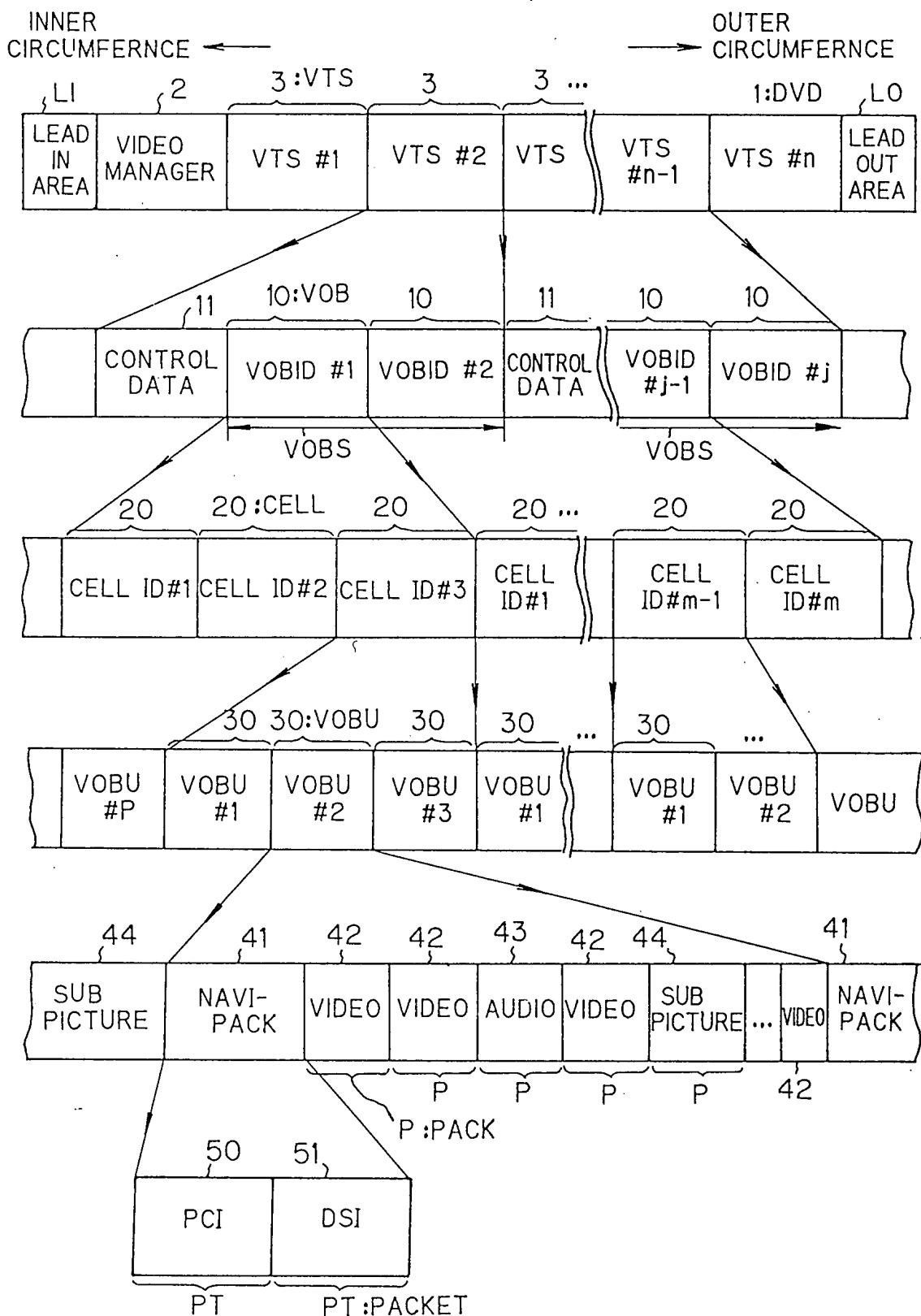


08/821424

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FIG.1

PHYSICAL STRUCTURE OF RECORD INFORMATION (PHYSICAL FORMAT)



FIGS. 16

FIG. 2

FRAME PICTURES OF GOP

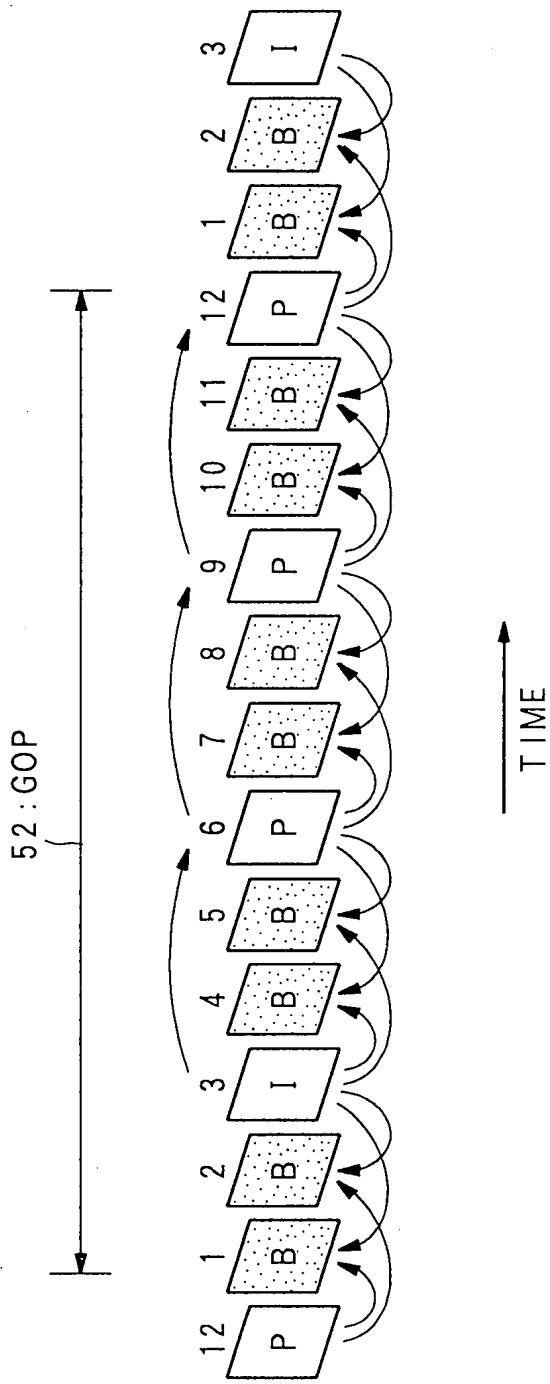
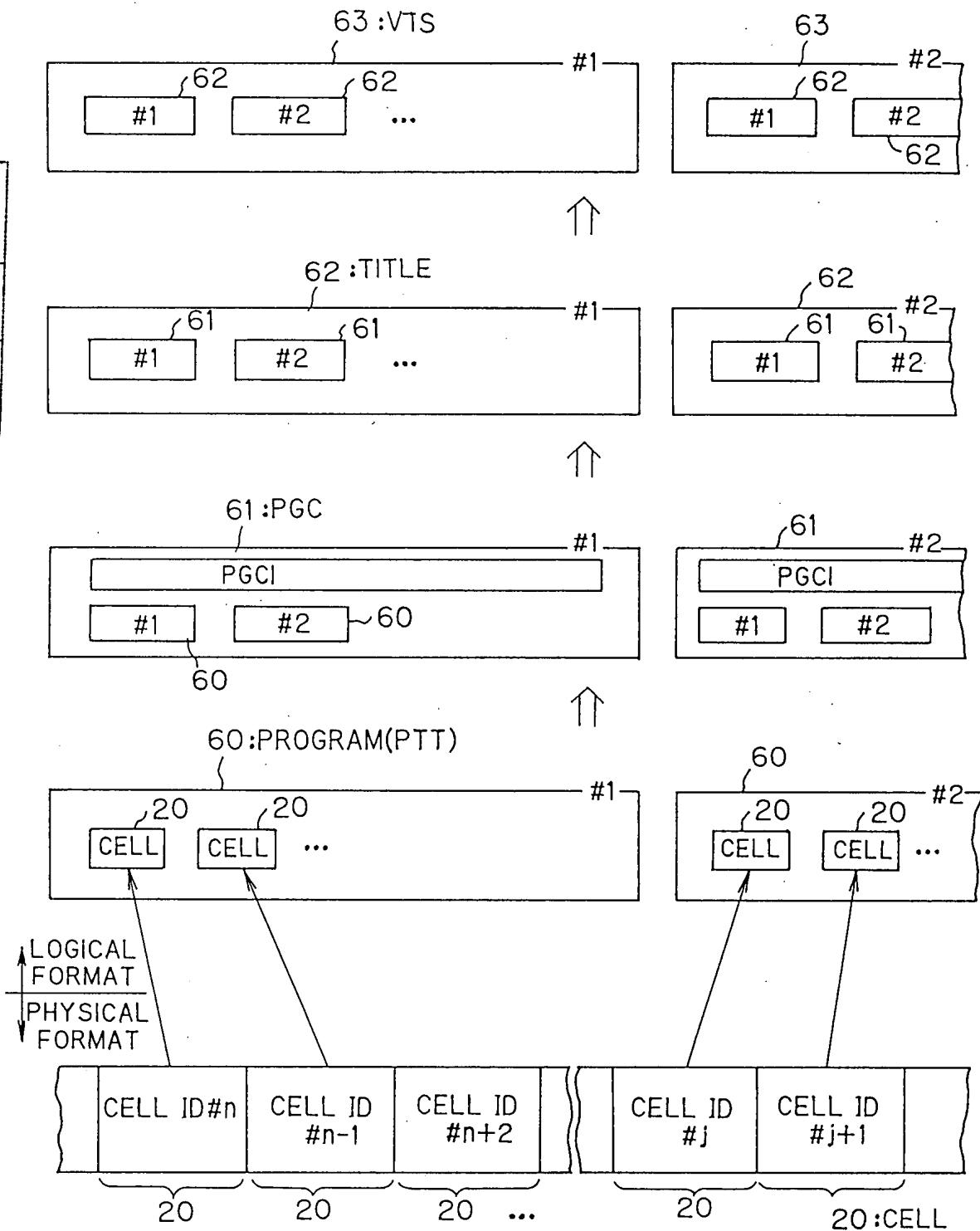


FIG. 3

LOGICAL STRUCTRE OF RECORD INFORMATION
(LOGICAL FORMAT)



08/821424

FIG. 4

STRUCTURE OF INTERLEAVED UNIT

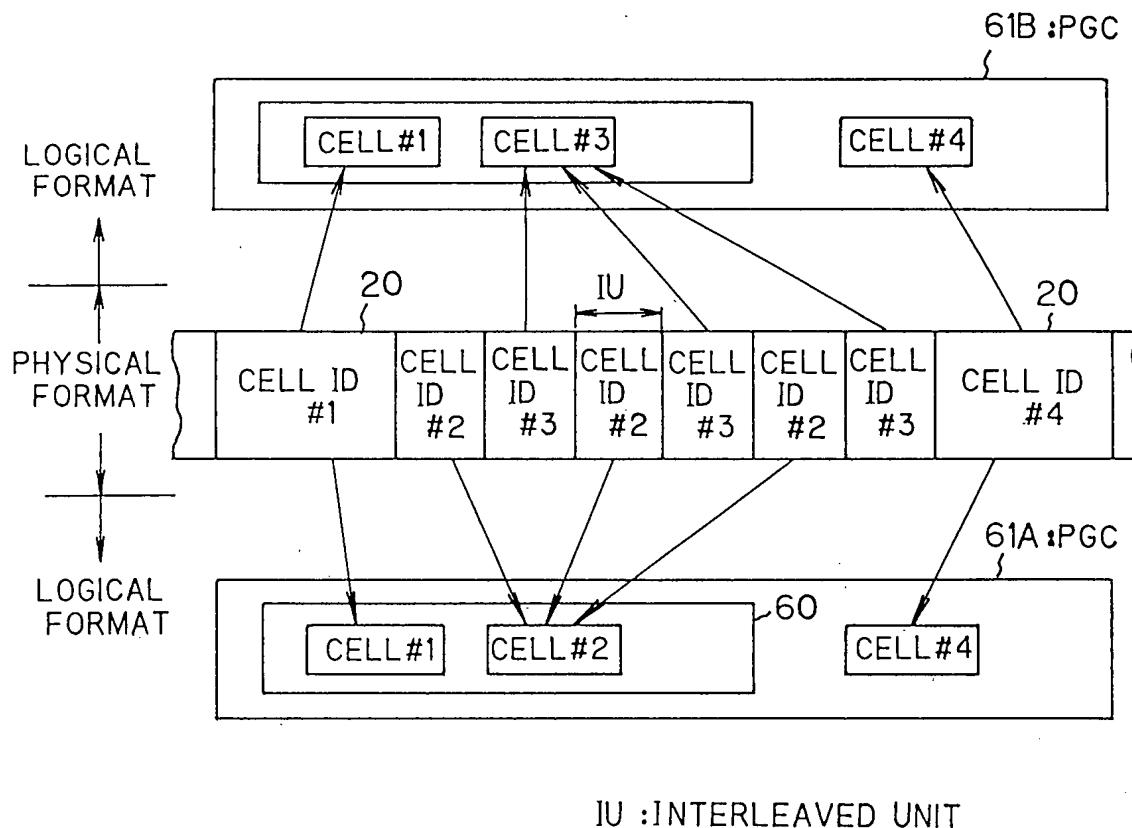


FIG. 5

51

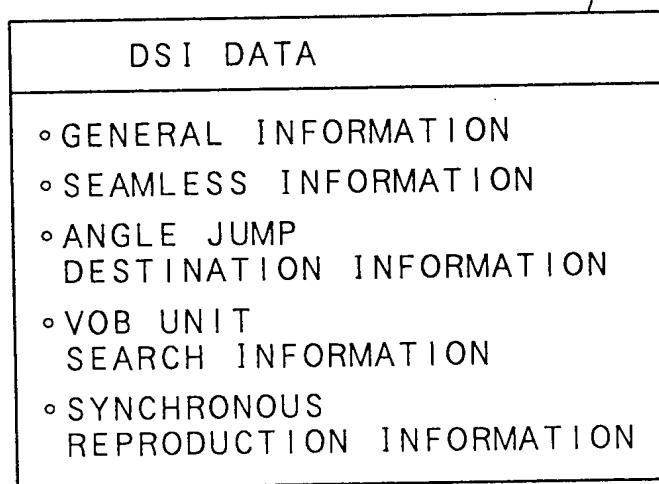
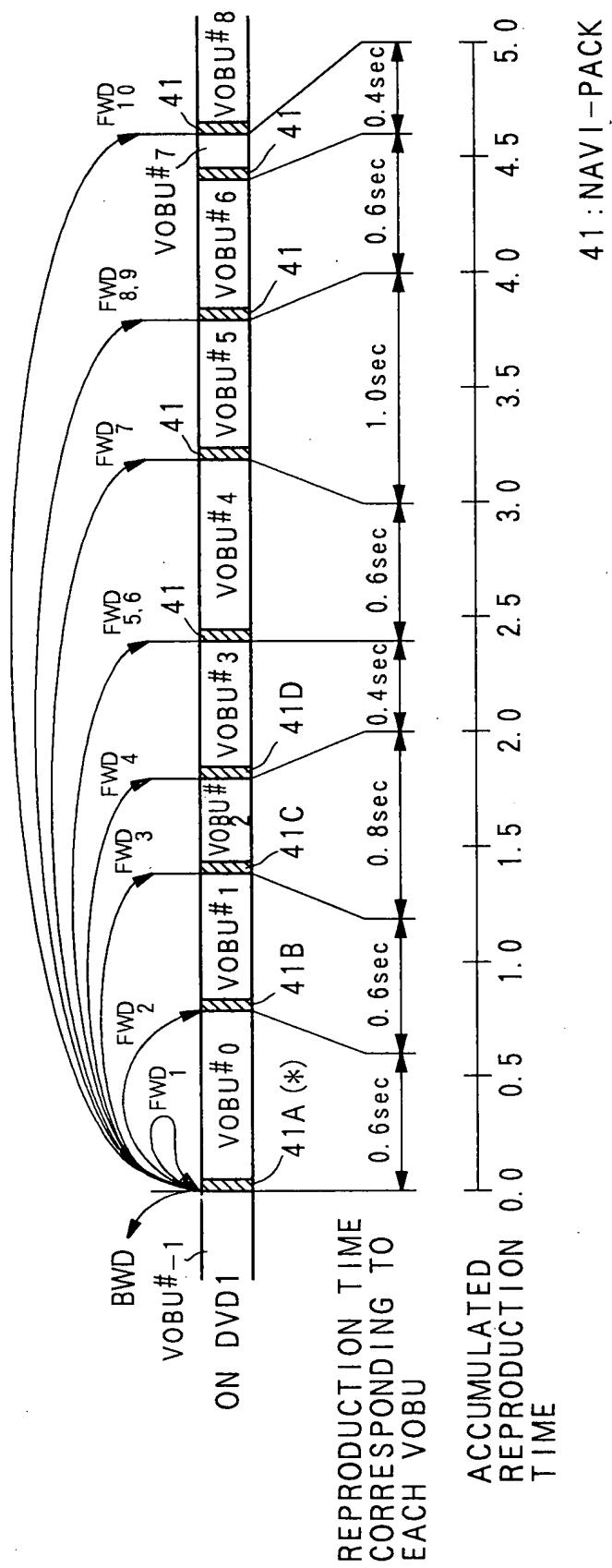


FIG. 6

VOBU SEARCH INFORMATION



821424

821424

FIG. 7

structure of VOBU search information

ADDRESS NUMBER	CONTENT
FWDA240	start address of VOBU to be reproduced 120 seconds after
FWDA120	start address of VOBU to be reproduced 60 seconds after
FWDA 60	start address of VOBU to be reproduced 30 seconds after
FWDA 20	start address of VOBU to be reproduced 10 seconds after
FWDA 15	start address of VOBU to be reproduced 7.5 seconds after
FWDA 14	start address of VOBU to be reproduced 7.0 seconds after
FWDA 13	start address of VOBU to be reproduced 6.5 seconds after
FWDA 12	start address of VOBU to be reproduced 6.0 seconds after
FWDA 11	start address of VOBU to be reproduced 5.5 seconds after
FWDA 10	start address of VOBU to be reproduced 5.0 seconds after
FWDA 9	start address of VOBU to be reproduced 4.5 seconds after
FWDA 8	start address of VOBU to be reproduced 4.0 seconds after
FWDA 7	start address of VOBU to be reproduced 3.5 seconds after
FWDA 6	start address of VOBU to be reproduced 3.0 seconds after
FWDA 5	start address of VOBU to be reproduced 2.5 seconds after
FWDA 4	start address of VOBU to be reproduced 2.0 seconds after
FWDA 3	start address of VOBU to be reproduced 1.5 seconds after
FWDA 2	start address of VOBU to be reproduced 1.0 second after
FWDA 1	start address of VOBU to be reproduced 0.5 seconds after
BWDA 1	start address of VOBU reproduced 0.5 seconds before
BWDA 2	start address of VOBU reproduced 1.0 second before
BWDA 3	start address of VOBU reproduced 1.5 seconds before
BWDA 4	start address of VOBU reproduced 2.0 seconds before
BWDA 5	start address of VOBU reproduced 2.5 seconds before
:	:
:	:
:	:

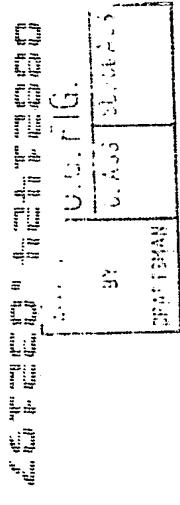
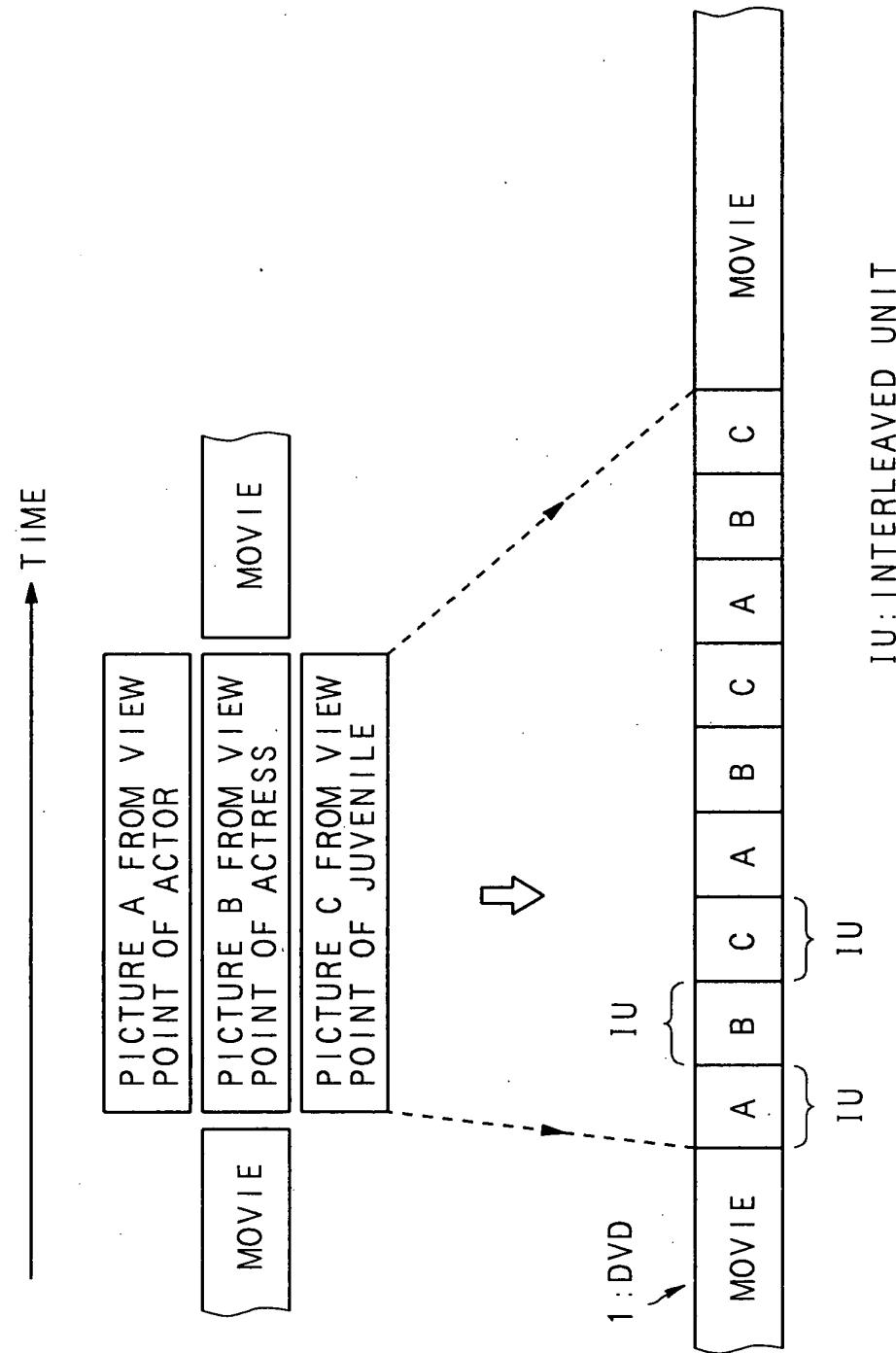


FIG. 8



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FIG. 9

RELATION BETWEEN REPRODUCTION TIME AND RECORD INFORMATION DIVIDED INTO INTERLEAVED UNITS

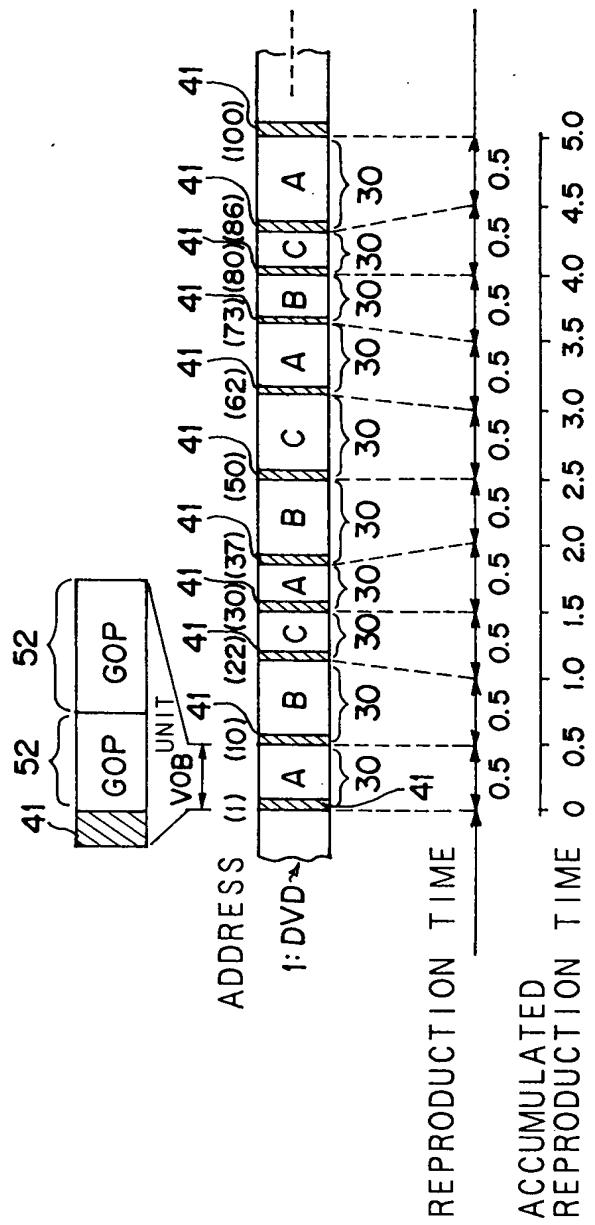


FIG. 10

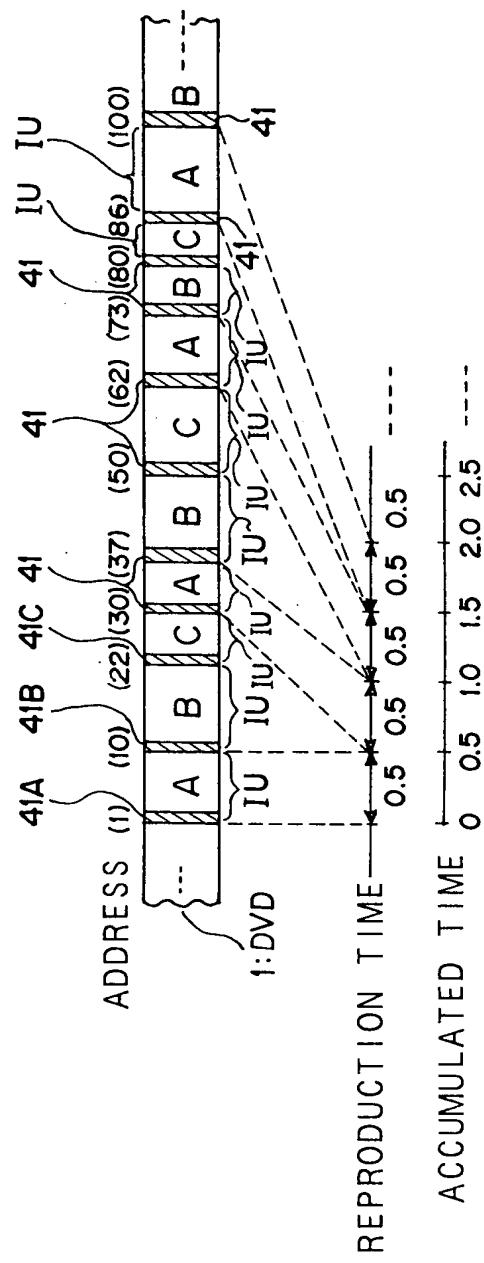
VOBU search information

Example 1

ADDRESS NUMBER	CONTENT	VOBU ADDRESS
FWDA240	start address of VOBU to be reproduced 120 seconds after	...
FWDA120	start address of VOBU to be reproduced 60 seconds after	...
FWDA 60	start address of VOBU to be reproduced 30 seconds after	...
FWDA 20	start address of VOBU to be reproduced 10 seconds after	...
FWDA 15	start address of VOBU to be reproduced 7.5 seconds after	...
FWDA 14	start address of VOBU to be reproduced 7.0 seconds after	...
FWDA 13	start address of VOBU to be reproduced 6.5 seconds after	...
FWDA 12	start address of VOBU to be reproduced 6.0 seconds after	...
FWDA 11	start address of VOBU to be reproduced 5.5 seconds after	...
FWDA 10	start address of VOBU to be reproduced 5.0 seconds after	100
FWDA 9	start address of VOBU to be reproduced 4.5 seconds after	86
FWDA 8	start address of VOBU to be reproduced 4.0 seconds after	80
FWDA 7	start address of VOBU to be reproduced 3.5 seconds after	73
FWDA 6	start address of VOBU to be reproduced 3.0 seconds after	62
FWDA 5	start address of VOBU to be reproduced 2.5 seconds after	50
FWDA 4	start address of VOBU to be reproduced 2.0 seconds after	37
FWDA 3	start address of VOBU to be reproduced 1.5 seconds after	30
FWDA 2	start address of VOBU to be reproduced 1.0 second after	22
FWDA 1	start address of VOBU to be reproduced 0.5 seconds after	10
BWDA 1	start address of VOBU reproduced 0.5 seconds before	...
BWDA 2	start address of VOBU reproduced 1.0 second before	...
BWDA 3	start address of VOBU reproduced 1.5 seconds before	...
BWDA 4	start address of VOBU reproduced 2.0 seconds before	...
BWDA 5	start address of VOBU reproduced 2.5 seconds before	...
:	:	:
:	:	:
:	:	:

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IU:INTERLEAVED UNIT
41:NAV I-PACK

FIG. 12

VOBU search information
Example 2

ADDRESS NUMBER	CONTENT	VOBU ADDRESS
FWDA240	start address of VOBU to be reproduced 120 seconds after	...
FWDA120	start address of VOBU to be reproduced 60 seconds after	...
FWDA 60	start address of VOBU to be reproduced 30 seconds after	...
FWDA 20	start address of VOBU to be reproduced 10 seconds after	...
FWDA 15	start address of VOBU to be reproduced 7.5 seconds after	...
FWDA 14	start address of VOBU to be reproduced 7.0 seconds after	...
FWDA 13	start address of VOBU to be reproduced 6.5 seconds after	...
FWDA 12	start address of VOBU to be reproduced 6.0 seconds after	...
FWDA 11	start address of VOBU to be reproduced 5.5 seconds after	...
FWDA 10	start address of VOBU to be reproduced 5.0 seconds after	...
FWDA 9	start address of VOBU to be reproduced 4.5 seconds after	...
FWDA 8	start address of VOBU to be reproduced 4.0 seconds after	...
FWDA 7	start address of VOBU to be reproduced 3.5 seconds after	...
FWDA 6	start address of VOBU to be reproduced 3.0 seconds after	...
FWDA 5	start address of VOBU to be reproduced 2.5 seconds after	...
FWDA 4	start address of VOBU to be reproduced 2.0 seconds after	...
FWDA 3	start address of VOBU to be reproduced 1.5 seconds after	86
FWDA 2	start address of VOBU to be reproduced 1.0 second after	62
FWDA 1	start address of VOBU to be reproduced 0.5 seconds after	30
BWDA 1	start address of VOBU reproduced 0.5 seconds before	...
BWDA 2	start address of VOBU reproduced 1.0 second before	...
BWDA 3	start address of VOBU reproduced 1.5 seconds before	...
BWDA 4	start address of VOBU reproduced 2.0 seconds before	...
BWDA 5	start address of VOBU reproduced 2.5 seconds before	...
:	:	:
:	:	:
:	:	:

08/821424

FIG. 13

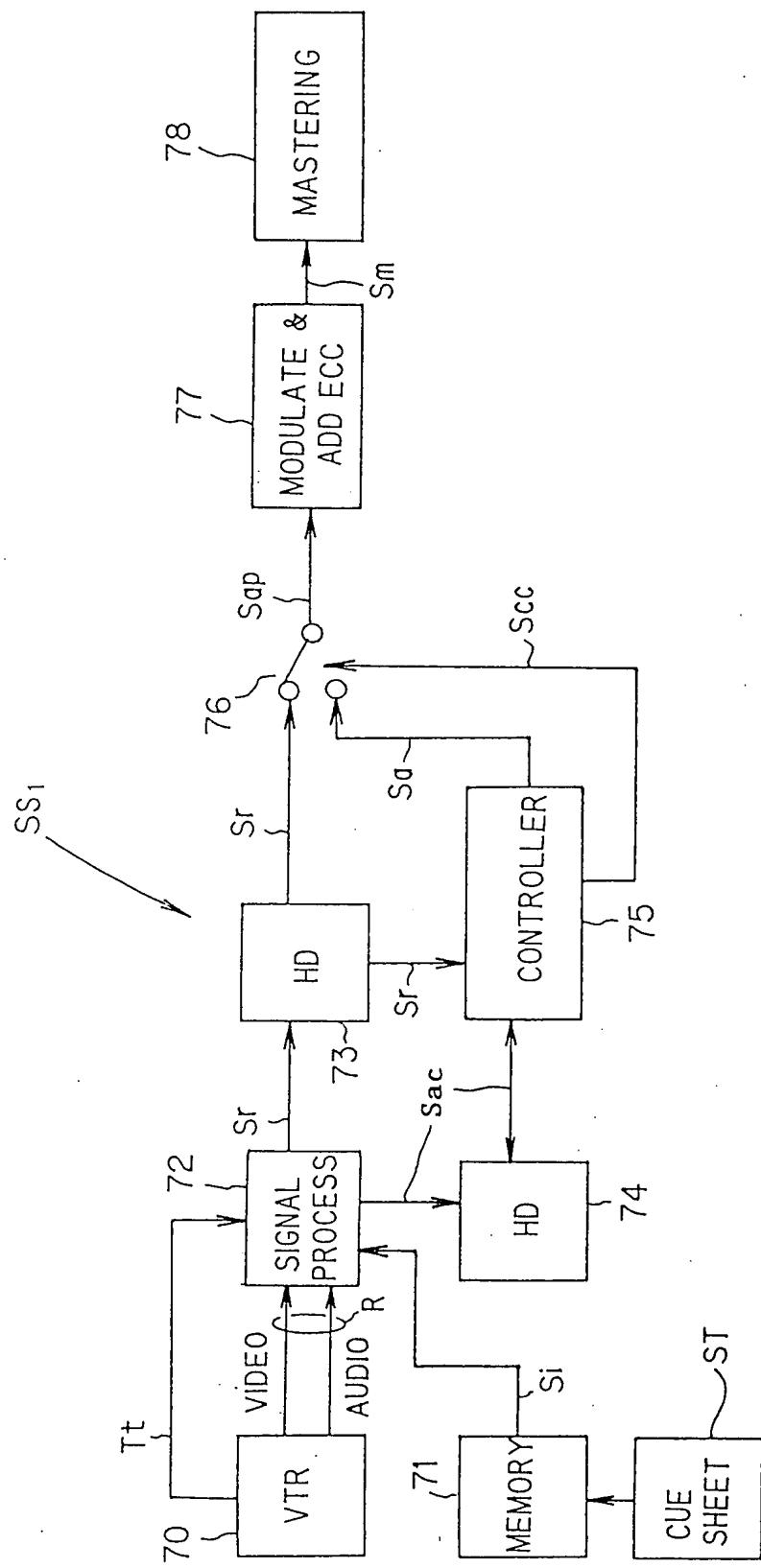
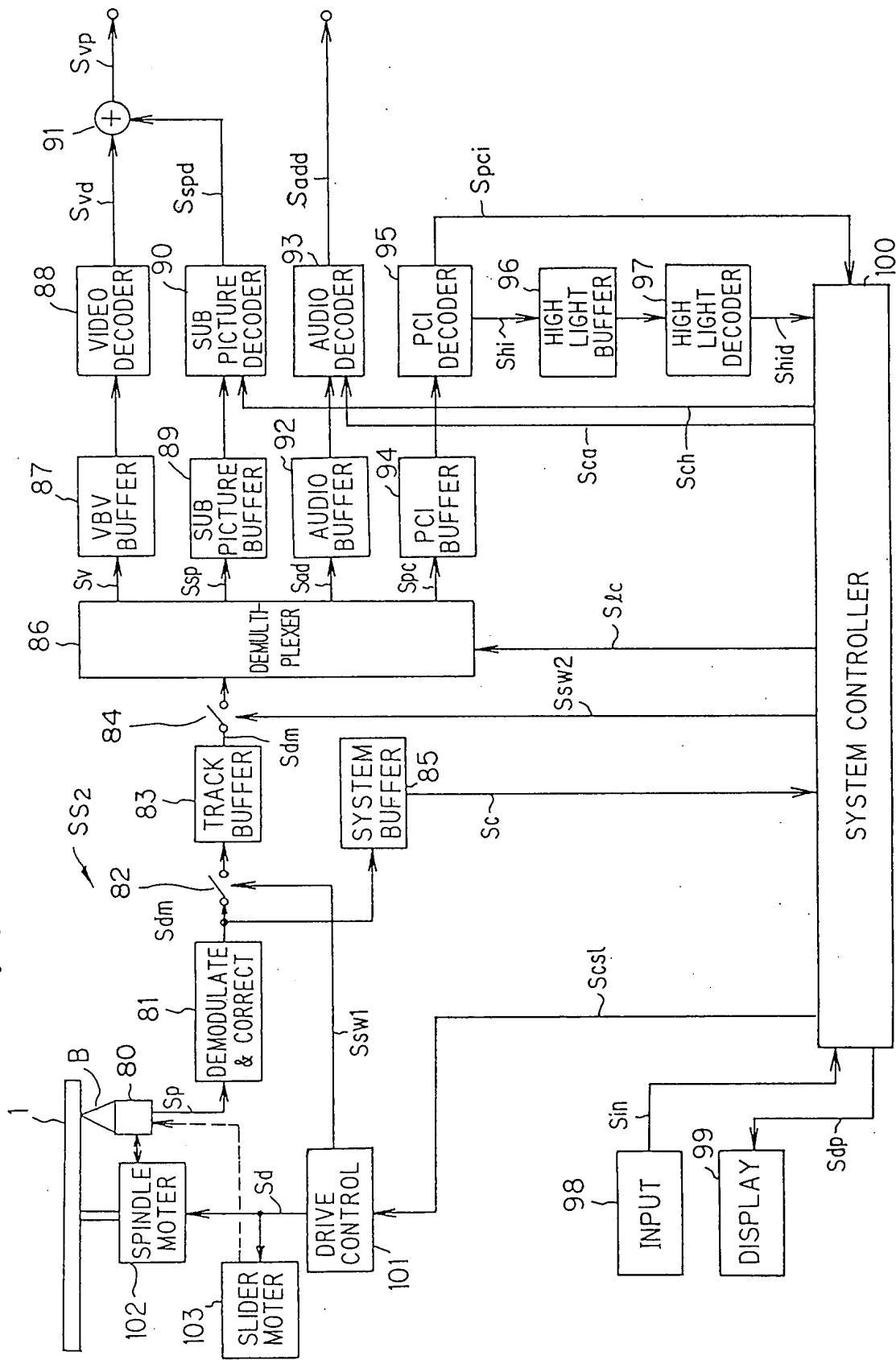


FIG. 14



08/821424

FIG.15

J TIMES SPEED VISUAL SCAN OPERATION

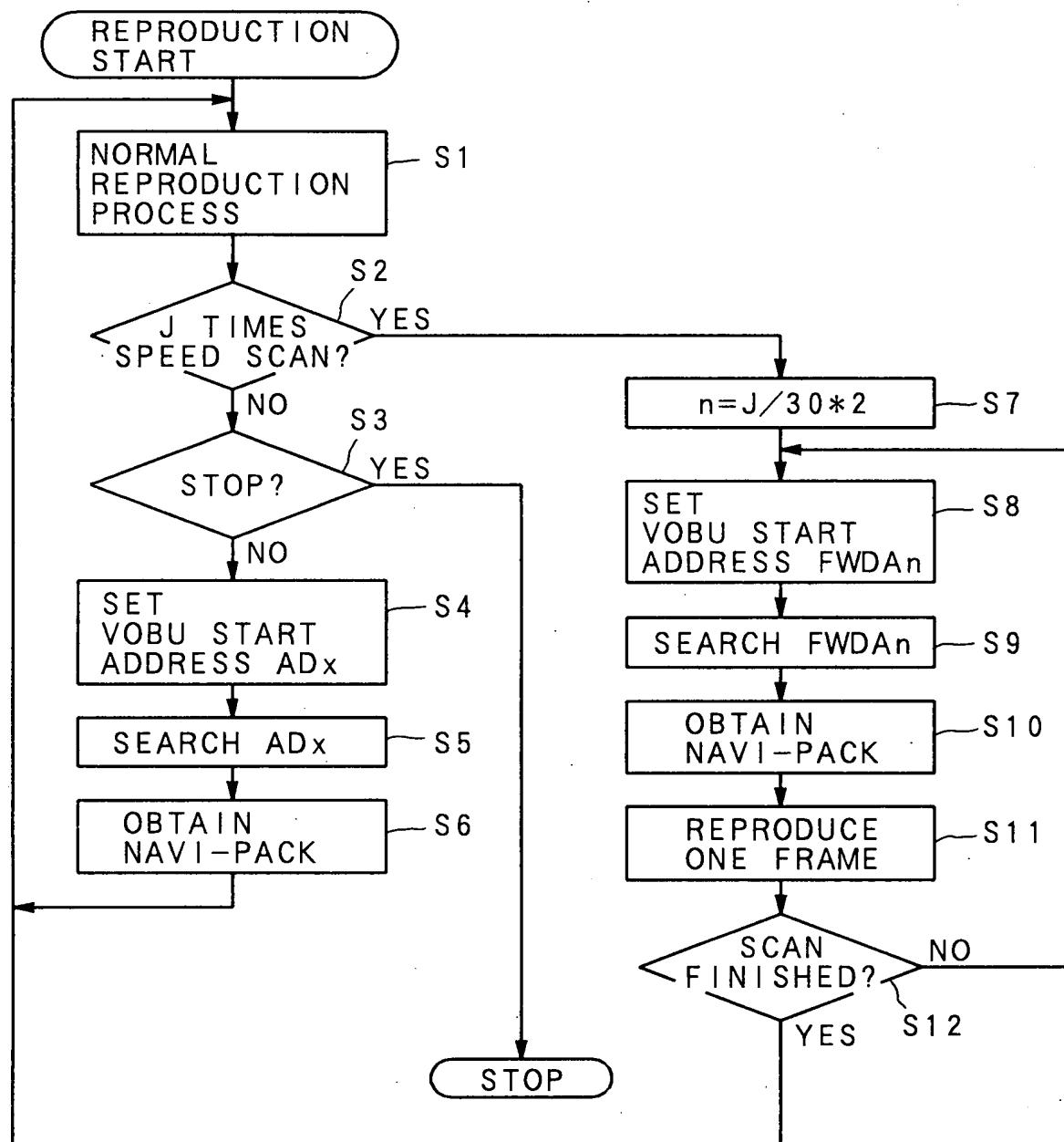


FIG.16

TIME SEARCH

